

## IN THE CLAIMS

Please amend claims as follows:

1. (Currently amended) An image processing apparatus, comprising:

a compressing unit to compress and encode image data of ~~[[a]]static images~~ in accordance with a JPEG 2000 algorithm and generate first code data sets;

a storing unit to store the first code data sets that are~~[[is]]~~ compressed by the compressing unit; and

a code sequence converting unit to convert the first code data sets being stored by the storing unit into second code data in conformity with Motion JPEG 2000,

wherein the code sequence converting unit comprises:

a dividing unit to divide each of the first code data sets into a header portion and a code portion;

~~a setting unit to set the header portion and the code portion to be integrated into the second code data;~~

a header processing unit to ~~change size of the header portion to be an image size after being integrated, and~~ generate a new tile part header for the selected first code data set, and provide a tile index for each of the tile part headers including the new tile part header; and

a synthesizing unit to synthesize data processed by the header processing unit and the code portions to be the second code data in conformity with Motion JPEG 2000.

2. (Currently amended) The image processing apparatus as claimed in claim 1, wherein the ~~first~~ synthesizing unit synthesizes the first code data sets and ~~converts the first code data being synthesized~~ into a single data sequence of the second code data where images aligning a plurality of static images are compressed and encoded.

3. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

a decompressing unit to decompress the first code data sets and the second code data; and

a displaying unit to display ~~[[the]]~~ frames showing image data in chronological order at a display unit after the first code data sets and the second code data are decompressed.

4 - 8. (Cancelled)

9. (Currently amended) The image processing apparatus as claimed in claim 1 further comprising, wherein:

~~an~~the ~~second~~ accepting unit to accept[[s]] a request of an integration degree from a[[the]] user; and

a ~~setting~~the first converting unit to determine[[s]] the[[a]] number of[[the]] static images to form each of[[the]] frames based on the integration degree accepted by the ~~second~~ accepting unit.

10-19. (Cancelled)

20. (Currently amended) The image processing of claim 1 further comprising:

an image pickup device to image the static images, wherein the compressing unit compresses and encodes image data generated from the image pickup device; and

a decompressing circuit to decompress and decode the code data of the first code data sets or the second code data.

21. (Currently amended) An image processing method comprising:

compressing and encoding image data of [[a]] static images in accordance with a JPEG 2000 algorithm and generating first code data sets;

storing the first code data sets that are[[is]] compressed; and

converting the first code data sets being stored into second code data in conformity with Motion JPEG 2000, wherein converting the first code data sets comprises

dividing each of the first code data sets into a header portion and a code portion;

~~setting the header portion and the code portion to be integrated into the second code data;~~

~~changing size of the header portion to be an image size after being integrated; and~~

generating a new tile part header for the selected first code data set;

providing a tile index for each of the tile part headers including the new tile part header; and

synthesizing data processed by the header processing unit and the code portions to be the second code data in conformity with Motion JPEG 2000.

22. (Currently amended) The image processing method defined in claim 21, wherein synthesizing the first code data sets ~~and converting the first code data being synthesized~~ produces a single data sequence of the second code data where images aligning a plurality of static images are compressed and encoded.

23. (Currently amended) The image processing method defined in claim 21 further comprising:

- decompressing the first code data sets and the second code data; and
- displaying frames showing image data in chronological order at a display unit after the first code data sets and second code data are decompressed.

24. (Currently amended) The image processing method defined in claim 21 further comprising:

- accepting a request of an integration degree from a user; and
- determining a number of the static images to form each of [[the]] frames based on the integration degree accepted from the user.

25. (Currently amended) The image processing method defined in claim 21 further comprising:

- using an image pickup device to image the static images, wherein compressing and encoding the image data comprises compressing and encoding image data generated from the image pickup device; and
- decompressing and decoding the code data of the first code data sets or the second code data.

26. (Currently amended) An article of manufacture having one or more computer readable storage media storing instructions thereon which, when executed by a computer, cause the computer to perform an image processing method comprising:

compressing and encoding image data of ~~[[a]]~~static images in accordance with a JPEG 2000 algorithm and generating first code data sets;

storing the first code data sets that are~~[[is]]~~ compressed; and

converting the first code data sets being stored into second code data in conformity with Motion JPEG 2000, wherein converting the first code data sets comprises

dividing each of the first code data sets into a header portion and a code portion;

~~setting the header portion and the code portion to be integrated into the second code data;~~

~~changing size of the header portion to be an image size after being integrated, and~~

generating a new tile part header for the selected first code data set;

providing a tile index for each of the tile part headers including the new tile part header; and

synthesizing data processed by the header processing unit and the code portions to be the second code data in conformity with Motion JPEG 2000.

27. (Currently amended) The article of manufacture defined in claim 26, wherein synthesizing the first code data ~~sets and converting the first code data being synthesized~~ produces a single data sequence of the second code data where images aligning a plurality of static images are compressed and encoded.

28. (Currently amended) The article of manufacture defined in claim 26 wherein the method further comprises:

decompressing the first code data sets and the second code data; and  
displaying frames showing image data in chronological order at a display unit after the first code data sets and the second code data are decompressed.

29. (Currently amended) The article of manufacture defined in claim 26 wherein the method further comprises:

accepting a request of an integration degree from a user; and  
determining a number of the static images to form each of ~~the~~ frames based on the integration degree accepted from the user.

30. (Currently amended) The article of manufacture defined in claim 26 wherein the method further comprises:

using an image pickup device to image the static images, wherein compressing and encoding the image data comprises compressing and encoding image data generated from the image pickup device; and

decompressing and decoding the code data of the first code data sets or the second code data.